

Active Recombinant Human PGD protein, His-tagged

Cat. No. PGD-2539H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PGD protein(P52209)(Met1-Ala483), fused with His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met1-Ala483
Form	Lyophilized from sterile PBS, pH 8.0Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured by its ability to dehydrogenate 6phosphogluconic acid. The specific activity is > 2500 pmols/min/μg
Molecular Mass	The recombinant human PGD consisting of 494 amino acids and has a calculated molecular mass of 54.6 kDa. It migrates as an approximately 46 kDa band in SDS-PAGE under reducing conditions.
Purity	> 88 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name PGD phosphogluconate dehydrogenase [Homo sapiens]

Official Symbol PGD

Synonyms PGD; phosphogluconate dehydrogenase; 6-phosphogluconate dehydrogenase, decarboxylating; 6PGD;

Gene ID 5226

mRNA Refseq NM_002631

Protein Refseq NP_002622

MIM 172200

UniProt ID P52209

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